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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,319	11/12/2003	Kiran Mallavarapu	GP-303575 6450 EXAMINER	
75	90 08/05/2005			
CARY W. BROOKS			SPITZER, ROBERT H	
General Motors Corporation Legal Staff, Mail Code 482-C23-B21			ART UNIT	PAPER NUMBER
P.O. Box 300			1724	
Detroit, MI 48265-3000			DATE MAILED: 08/05/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

NL

	Application No.	Applicant(s)					
Office Action Summany	10/706,319	MALLAVARAPU ET AL.					
Office Action Summary	Examiner	Art Unit					
	Robert H. Spitzer	1724					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on	<u>-</u> .						
2a) This action is FINAL . 2b) This a	This action is FINAL . 2b)⊠ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1-6 and 8-14</u> is/are allowed.							
6)⊠ Claim(s) 7 and 15-20 is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>12 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Exa	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
A440=1							
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Intonvious Summans ((DTO 442)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>03/05/2004</u> .	5)	tent Application (PTO-152)					

Application/Control Number: 10/706,319 Page 2

Art Unit: 1724

DETAILED ACTION

1. Claims 1-6 and 8-14 are allowed.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly

claiming the subject matter which the applicant regards as his invention.

3. Claims 7 and 15-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 7 is indefinite because it depends from itself. Claim 15 is indefinite because it recites "a plurality of vessels" without any correlation to the "vessels within the gas purifying system" previously recited in claim 10. Claim 16 is indefinite because there is no direct antecedent basis for the recitation of "the speed of rotary valves in the PSA unit", as no such valves were previously claimed as part of the PSA unit. Claims 17-20 depend from indefinite claim 16 and are indefinite for that reason.

- 4. Claims 7 and 15-20 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- 5. The references listed on both the PTO-1449 and the PTO-892 show art of interest only, over which the claims define allowable subject matter.
- 6. Applicants' response to this Office action must also include the following editorial changes: on Fig. 1, provide a description of number "64"; para. [0015], line 6, provide the serial number and filing date for that application; and in para. [0023], line 1, "figure" should be "Figure".

Application/Control Number: 10/706,319 Page 3

Art Unit: 1724

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert H. Spitzer whose telephone number is (571) 272-1167. The examiner can normally be reached on Monday-Thursday from (5:30AM-4:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

August 3, 2005

Robert H. Spitzer Primary Examiner Art Unit 1724

August 3, 2005